



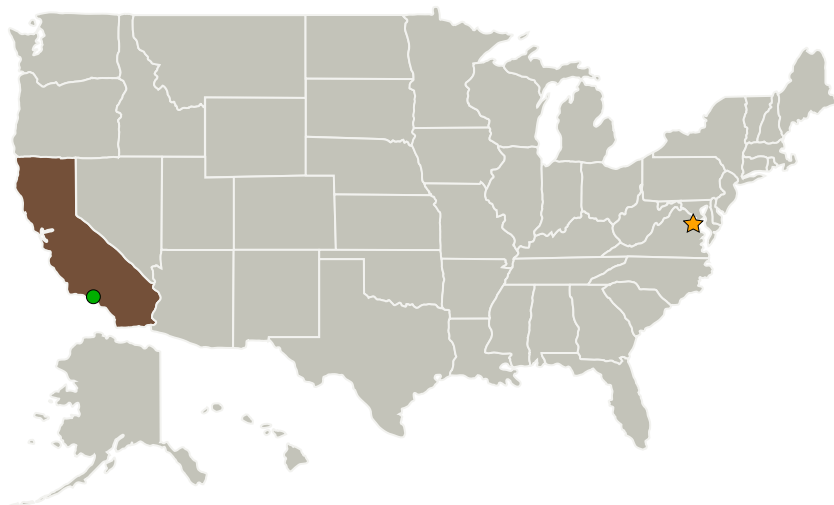
Project Introduction

- Extend the ISCE software toolkit to support UAVSAR data formats and metadata
- Extend the ISCE framework to enable the seamless handling of extremely large data files
- Extend the ISCE framework with enhanced processing capabilities supporting UAVSAR scientists, including PolInSAR capabilities and 3D vector estimation
- Develop UAVSAR-specific data manipulation tools that enhance the utility of UAVSAR data for science users, including segmentation and decimation tools suited to precision interferometry

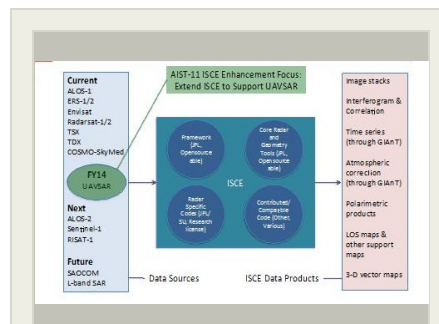
Anticipated Benefits

SWOT, SMAP, ICESat-II

Primary U.S. Work Locations and Key Partners



Organizations Performing Work	Role	Type	Location
★ NASA Headquarters(HQ)	Lead Organization	NASA Center	Washington, District of Columbia
● Jet Propulsion Laboratory(JPL)	Supporting Organization	NASA Center	Pasadena, California



Project Image iISCE: InSAR Scientific Computing Environment on the Cloud

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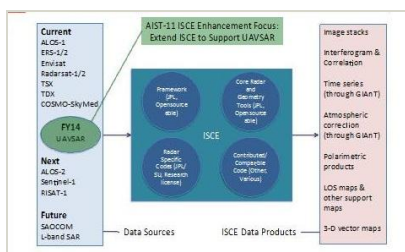
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Primary U.S. Work Locations

California

Images

**13646-1389275923936.jpg**

Project Image iISCE: InSAR Scientific Computing Environment on the Cloud
(<https://techport.nasa.gov/image/2447>)

**91-1373479894122.png**

ALHAT - ETD Autonomous Landing & Hazard Avoidance Tech Earth Science Technology Office
(<https://techport.nasa.gov/image/5120>)

Organizational Responsibility

Responsible Mission Directorate:

Science Mission Directorate (SMD)

Lead Center / Facility:

NASA Headquarters (HQ)

Responsible Program:

Earth Science

Project Management

Program Director:

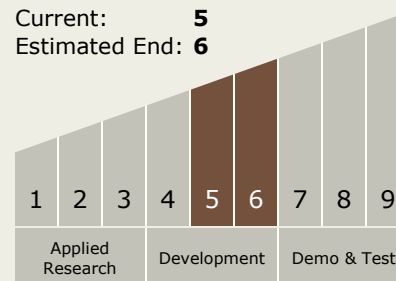
George J Komar

Principal Investigator:

Paul Rosen

Technology Maturity (TRL)

Start: 6
Current: 5
Estimated End: 6



Technology Areas

Primary:

Continued on following page.



Technology Areas (*cont.*)

- TX11 Software, Modeling, Simulation, and Information Processing
 - └ TX11.4 Information Processing
 - └ TX11.4.2 Intelligent Data Understanding

Target Destination

Earth